

SOFTWARE QUALITY & SYSTEMS ENGINEERING PROGRAM

Preacceptance Checklist Security Issues

The following checklist is intended to provide system owners, project managers, and other information system development and maintenance professionals with guidance in preparation for identifying the security issues during the acceptance activities. Initiation of acceptance activities begins with successful completion of the system testing.

Preparation for system acceptance is generally characterized as a process to ensure everything is in place to begin the acceptance process activities.

The Preacceptance Checklist Security Issues Checklist helps to ensure that all necessary security activities have been completed.

Preacceptance Checklist	SEM Reference	Comments
<input type="checkbox"/> The system sensitivity and essentiality has been identified as either classified, sensitive unclassified, and/or mission essential.	Chapter 8 Initiate Acceptance Process	
<input type="checkbox"/> Security objectives were established by the system owner, based on a risk analysis and/or assessment.	Chapter 8 Initiate Acceptance Process	
<input type="checkbox"/> Security requirements were specified by the project team to support the security objectives.	Chapter 8 Initiate Acceptance Process	
<input type="checkbox"/> System design features enforce the security requirements.	Chapter 8 Initiate Acceptance Process	
<input type="checkbox"/> Testing was conducted to verify the security design features were incorporated into the system and the results were recorded.	Chapter 8 Initiate Acceptance Process	
<input type="checkbox"/> Appropriate data set/file protection rules, authorities, and user identification codes were established by the system owner or as mandated by higher authority.	Chapter 8 Initiate Acceptance Process	
<input type="checkbox"/> Access control protection was incorporated into the system.	Chapter 8 Initiate Acceptance Process	
<input type="checkbox"/> All manufacturer generic, test team, temporary, and superfluous passwords were deleted from the system.	Chapter 8 Initiate Acceptance Process	
<input type="checkbox"/> All privacy, freedom of information, sensitivity, and classification considerations were identified, resolved, and established.	Chapter 8 Initiate Acceptance Process	
<input type="checkbox"/> An approved Security Plan was developed.	Chapter 8 Initiate Acceptance Process	

Preacceptance Checklist	SEM Reference	Comments
<input type="checkbox"/> The system owner has provided the required information to the Computer System Security Officer (CSSO).	Chapter 8 Initiate Acceptance Process	
<input type="checkbox"/> For classified systems - The security test plan was approved. or <input type="checkbox"/> For unclassified systems - The computer security and privacy plan (CSPM) was approved.	Chapter 8 Initiate Acceptance Process	
<input type="checkbox"/> The security test was successfully completed.	Chapter 8 Initiate Acceptance Process	
<input type="checkbox"/> For classified systems - the software product was certified by the owning organizations (CSSO).	Chapter 8 Initiate Acceptance Process	

REFERENCES

The following resources can be referenced for additional information on system preacceptance practices and procedures for security issues.

DOE Systems Engineering Methodology, September 2002